

PassPort® Firmware R08.02.05 Release Notes

THIS RELEASE IS INTENDED FOR 700MHZ BAND CUSTOMERS ONLY. 700MHZ CUSTOMERS MUST RECONFIGURE THEIR PASSPORT SYSTEM (e.g. REPEATERS) TO THE NEW 700MHZ BAND (FROM 746MHZ to 757MHZ) BEFORE UPDATING THEIR PASSPORT RADIOS. RADIO AND PASSPORT FIRMWARE ALONG WITH CPS AND PPCPS MUST BE UPDATED TO THE VERSIONS IN THE TABLE BELOW BEFORE THE NEW 700MHZ FREQUENCIES CAN BE CONFIGURED.

	Radio Firmware	PassPort Firmware	Motorola Customer Programming Software (CPS)	PassPort Customer Programming Software (PPCPS)
HT1250-LS⁺™ Portable	R05.13.08 or later	R08.02.05	R06.10.01 or later	R05.02.03 or later
CDM1550-LS⁺™ Mobile	R05.07.01 or later	R08.02.05	R06.10.01 or later	R05.02.03 or later

For further information regarding compatibility between the different versions of Radio Firmware, PassPort Firmware, Motorola Customer Programming Software (CPS) and PassPort Customer Programming Software (PPCPS), please refer to the PassPort Software Compatibility document included in the PassPort ServicePak R08.02.05.

To access the PassPort Software Compatibility document, click on “Start > Programs > Motorola > PassPort ServicePak > ServicePak R08.02.05 > PassPort Software Compatibility”.

To access the PassPort Firmware R08.02.05 Release Notes document, click on “Start > Programs > Motorola > PassPort ServicePak > ServicePak R08.02.05 > PassPort Firmware R08.02.05 Release Notes”.

Firmware version R08.00.15 and higher, known as PassPort 4.0, support the following features and are only available if the Enhanced Option is purchased and enabled. The Enhanced option can only be purchased in new radios and the Enhanced option converts the Passport codeplug to an Enhanced codeplug. Radios with Enhanced codeplugs can then be configured for the features listed below.

- Backup Channels;
- Emergency calling;
- Priority Access;
- Limited Service Message;
- Improvements to Selective Call, i.e. PTT notification and across ASID calls;
- Message Trunking;
- Improvements to STUN command, i.e. radio can be stunned at any time.

I. Enhancements

CCMPD01001018: 700Mhz Reband

FCC Requirement mandates that the 700Mhz Passport frequency moves from current Repeater Tx of 746Mhz to new Repeater Tx of 757Mhz with the same 30Mhz Rx Offset.

CCMPD01007671: Emergency Declaration via Rear Accessory Interface

A customer would like the ability to use a remote footswitch to initiate an emergency declaration via the rear accessory interface to the PassPort radio. This feature can not work at the same time as Trident Data (TrAVL) or Talkgroup Steering (only one of these rear accessory features can be active at a time)

II. Corrections

CCMPD01005247: Roam Delay Timeout during extended Data call

If the PTT on a data call remain on for longer than the roam delay timer, the radio will search upon completion of the data call. Currently no data call is expected to last longer than the timer value.

III. Known Issues

IV. Observations

Item #1: Keypad Tones Off

Keypad tones cannot be disabled while in PassPort operation.

Item #2: X-Pand™ Front Panel Setting

X-Pand cannot be enabled / disabled via the front panel while in PassPort operation. PPCPS must be used to enable/disable X-Pand.

Item #3: Zero Second Scan Hang Timer

If the Scan Hang Time is set to 0 seconds, there is approximately a 250 ms window during which the subscriber unit remains in scan hang timer.

Item #4: Conventional Auto Scan Prevents PassPort Operation

The subscriber unit must not be programmed with Conventional Zones in which Auto Scan is enabled. This configuration prevents PassPort operation.

Item #5: Possible Stunned Radio on Restricted Sites / Talkgroups in Non-Collect Channel Systems

When a radio attempts to register to a site with a restricted MIN or talkgroup, there is approximately a 250ms window for the radio to be stunned **if and only if** the user attempts to press PTT before the radio is acknowledged from the NTS that the site / talkgroup it is on is restricted.

**Item #6: Possible Interaction Issue between Front PTT and Data PTT
(Mobiles Only)**

After a data transmission is initiated, there is a small window of opportunity that a user can initiate a dispatch call or Selective Call / Call Alert via the front PTT even though the radio is still in the middle of processing a data session. In this case, data may be lost. The window of opportunity is dependent upon the timing of the other call activity and the CES data box configuration.

IV. Required Upgrade Tools

A. PassPort ServicePak

The PassPort firmware ServicePak R08.02.05 can be requested from the PassPort development group at Motorola.

B. Programming / Flashing Equipment

- **AAHLN9742B:** Flash Adapter for both portable HT1250-LS⁺ and mobile CDM1550-LS⁺
- **AARKN4075A:** Portable RIBless Cable
- **AARKN4081B:** Mobile RIBless Cable

***Note:** These accessories are available through Radio Products Services Division (RPSD) – previously known as Accessories and Aftermarket Division (AAD).*

C. Estimated Upgrade Time

The approximate upgrade times for all the Windows Operating Systems: Win 2000, Win XP, Win NT that are supported by PassPort ServicePak R08.02.05 is between 15 to 20 minutes.

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